

## CCC1390H Series Day/Night, WDR, CCD Compact Camera 1/3-INCH, HIGH RESOLUTION, 530 TVL B-W/480 TVL COLOR (NTSC/PAL)

### Product Features

- Compact Body Style
- Wide Dynamic Range (60 dB Maximum)
- Day/Night with Automatic or Manual Control
- Electronic PTZ
- 1/3-Inch Format Sony® SS-2WD CCD Imager
- Digital Signal Processing
- 530 TV Lines (B-W); 480 TV Lines (Color)
- On-Screen Menu Configuration
- Four Preset Application Profiles; One User-Definable Profile
- Auto White Balance, Automatic Gain Control, Electronic Shutter Control, and Backlight Compensation
- Flickerless Mode
- Autosensing DC-Drive Auto Iris
- Autosensing 24 VAC/12 VDC with Line Lock or Internal Synchronization
- Compatible with Pelco P and Pelco D Protocol



(LENS NOT SUPPLIED WITH CAMERA)

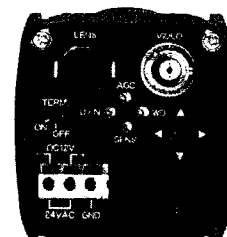
CCC1390H-6/6X

The **CCC1390 Series** camera is a compact, wide dynamic range (WDR), day/night camera. Its WDR technology provides up to 60 dB of dynamic range and produces superior images over a wide range of lighting conditions, including extreme backlight conditions. The camera also uses a removable infrared (IR) cut filter to switch between color and black-white (B-W) modes as environmental lighting conditions change. It also provides a dual resolution of 530 TVL (B-W) and 480 TVL (color).

On-screen programmable menus can be accessed locally using the rear panel button or remotely using any Pelco controller with Pelco P or Pelco D protocol. Use these menus to select a specific profile or to customize and save camera settings for the specific application.

The **CCC1390 Series** camera has a standard CS-mount and can be used with fixed, manual, or DC-drive auto iris lenses. The auto iris is controlled through a standard four-pin square connector that is included with all Pelco auto iris lenses.

The **CCC1390 Series** camera is quick and easy to install and its compact size makes it ideal for Pelco's DomePak® and ImagePak® fixed camera dome/enclosure packages.



CCC1390H-6/6X



C2924 / REVISED 5-20-08



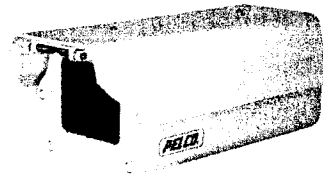
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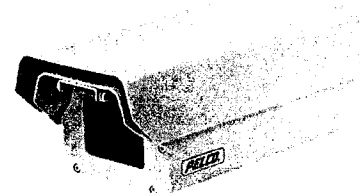
## EH3508 Series Enclosure OUTDOOR, SMALL

### Product Features

- Low Cost
- Small, Contemporary Design
- Forward-Opening Hinged Lid
- Rear Link-Lock Latch
- Die-Cast and Extruded Aluminum Construction
- Designed for Indoor/Outdoor Applications
- Easy Access for Servicing and Installation
- Cable Entry Glands and Mounting Holes on Bottom of Enclosure
- Factory-Installed Low Power Heater-Defroster Models Available



EH3508



ENCLOSURE WITH SUN SHROUD

The **EH3508 Series** are indoor/outdoor, low cost camera enclosures constructed from die cast and extruded aluminum.

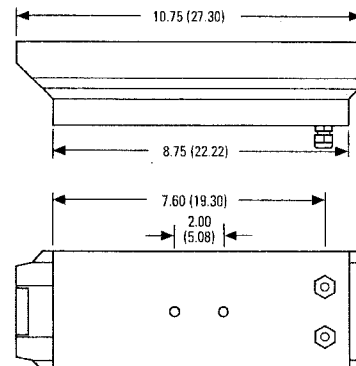
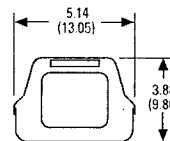
The **EH3508 Series** is the smallest of our outdoor enclosures and can be used with cameras having fixed focal length or motorized zoom lenses (with or without auto iris operation).

The enclosure features a front hinged lid, two adjustable (PG13.5) cable glands on the bottom, and a rear link-lock latch that can be used with a padlock of suitable size for applications requiring additional security.

Field-installed options for the **EH3508** include heater-defroster and sun shroud. Power consumption of heater and defroster is 43 watts maximum.

These enclosures can also be factory ordered with a low power 24 VAC, 120 VAC, or 230 VAC heater-defroster for applications where high humidity or low temperatures are prevalent. Factory-installed heater is thermostatically controlled to activate ON at 50°F (10°C) and OFF at 80°F (27°C); defroster operates in continuous duty mode.

The **EH3508** is ideal for small cameras and fixed mount applications. It can also be used with our PT270-24P or PT280-24P pan/tilt as well as our PS20 Series scanner.



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U.S. Patent #307,915

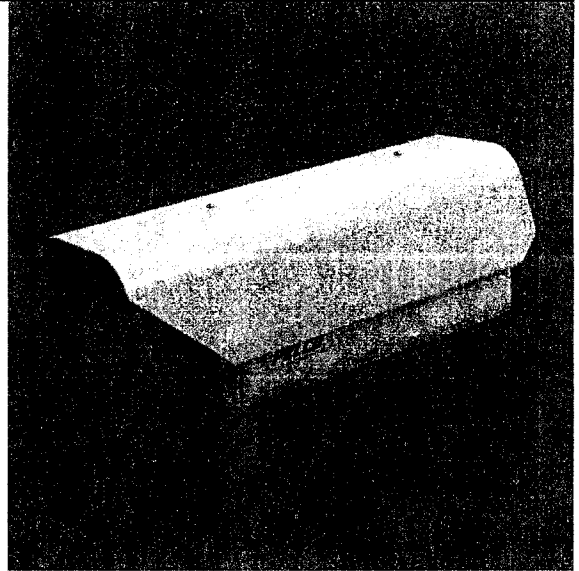
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**INSTALLATION/OPERATION**



**SS3508/SS3512/SS3515  
Sun Shroud**



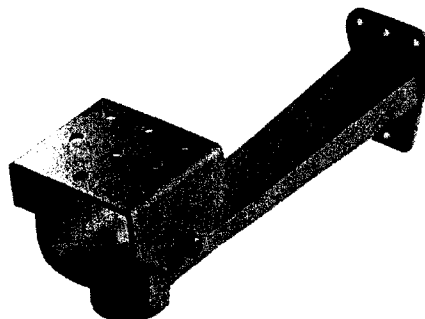
**C1437M-B (6/02)**

## EM1450 Mount

### WALL MOUNT, LIGHT DUTY, ENCLOSURE

#### Product Features

- Light Duty Wall Mount
- Maximum Load 20 lb (9 kg)
- For Use with EH3500 Series Enclosures
- Adjustable Head for Mechanical Positioning of the Enclosure
- Can Be Adapted for Pole Mount Applications with Use of PA101 Adapter

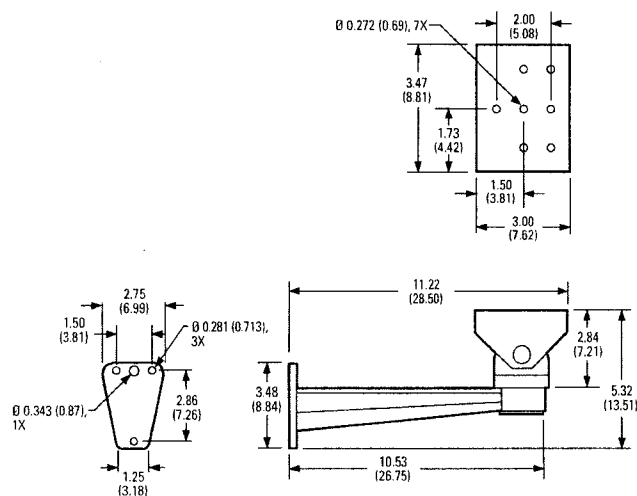


The **EM1450** is a light duty wall mount designed specifically for use with Pelco's EH3500 Series enclosures.

Manufactured from die-cast aluminum, the **EM1450** is capable of supporting a maximum load of 20 lb (9 kg) and can be safely mounted to any vertical load-bearing surface.

The **EM1450** features a small adjustable mounting head that is unobtrusive and provides ample clearance between the cable feedthrough glands and the mounting head.

The **EM1450** can also be adapted for pole mount applications when used with our PA101 adapter.



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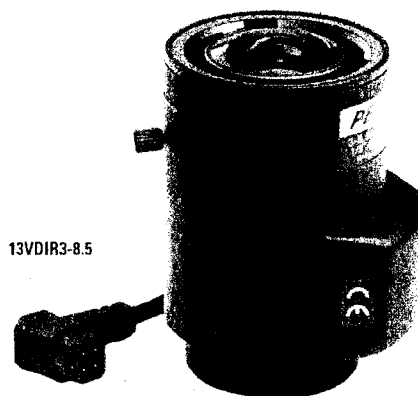


## 13VDIR Series Day/Night Lens

1/3-INCH FORMAT, AUTO IRIS (DIRECT DRIVE), IR CORRECTED

### Product Features

- Designed for All Day/Night and Monochrome Cameras
- Increased Sharpness in Monochrome Mode
- Focuses IR and Visible Light
- Eliminates the Problem of IR Focus Shift
- Auto Iris, Manual Focus, and Zoom



13VDIR3-8.5

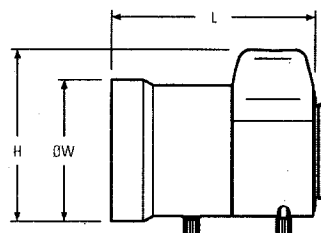
The purpose of Pelco's **13VDIR Series** is to compensate for the focus shift that results from the different wavelengths of visible and IR light. IR corrected lenses focus light energy on the same plane. The result is better focus, sharper contrast, and better overall image quality.

IR corrected lenses are particularly of benefit to Pelco's day/night cameras, which "see" both visible and IR light. IR corrected lenses allow a camera's imager to take in visible and IR illumination in "night" conditions (when the IR cut filter is not deployed), while eliminating the problem of IR focus shift.

Appropriate for indoor and outdoor lighting situations, the **13VDIR Series** lenses will fit all 1/3-inch CS mount cameras requiring DC drive auto iris lenses. Lenses in the **13VDIR Series** come with a standard square 4-pin plug installed for ease of installation and convenience.

Lenses in this series are available in 2.8X (13VDIR3-8.5), 3.9X (13VDIR2.8-11), and 6.7X (13VDIR7.5-50) zoom with varying focal lengths.

Maximum and minimum apertures for these lenses are 1.4-2.6 (13VDIR2.8-11), 1.0-1.6 (13VDIR3-8.5), and 1.3-1.8 (13VDIR7.5-50). This allows for excellent performance characteristics across a wide range of lighting conditions. These lenses have aspheric elements, which provide crisper, optimized images at all focal lengths.



	H	ØW	L
13VDIR2.8-11	1.82 (4.62)	1.57 (4.00)	2.15 (5.46)
13VDIR3-8.5	1.87 (4.74)	1.37 (3.50)	1.81 (4.60)
13VDIR7.5-50	1.97 (5.01)	1.49 (3.80)	2.17 (5.52)

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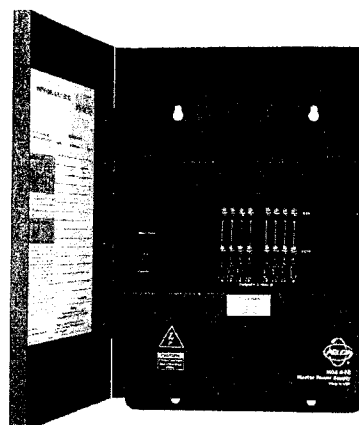


## MCS Series Power Supply

### MULTIPLE 24 VAC POWER SUPPLY, INDOOR

#### Product Features

- 2, 5, 10, or 20 A Capacities
- 4, 8, or 16 Outputs
- Fuse or Circuit Breaker Protection;  
Spare Fuses Included with Fused Models Only
- 120 VAC or 240 VAC Selectable Input
- 24 VAC Output or 28 VAC Output for Longer Wire Runs
- AC Power Indicator with Power On/Off Switch
- Compatible with Cameras, Domes, and Pan/Tilts
- Models with Circuit Breakers Have Class 2 Rated Outputs



MCS16-10

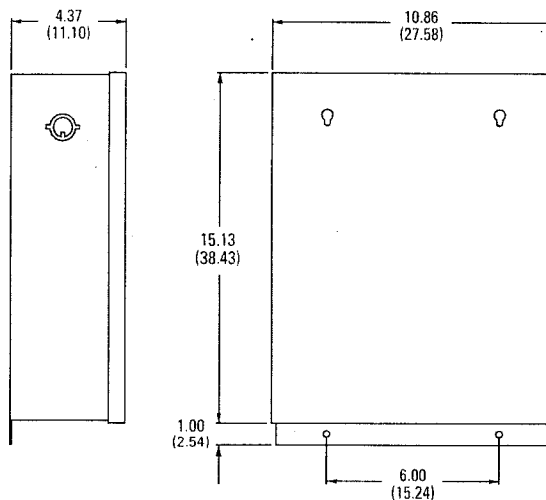
Power supplies in the **MCS Series** offer a variety of configurations for powering up to 16 units from a single power source.

The power supplies provide 24 VAC output for 4, 8, or 16 units. To compensate for voltage losses over long wire runs, 28 VAC outputs also are available on most models. The power supplies have a selectable input of 120 or 240 VAC and are packaged in an easy-to-install metal enclosure that has ample room for wiring connections and conduit entries.

For integrated systems such as Spectra® and Esprit®, the higher capacity models are capable of handling pan/tilt and receiver operation in addition to camera functions. (See product capacity chart.)

Models are available with either fuses or self-resetting circuit breakers on each output. Fused models provide a greater degree of protection for the camera because they are faster acting and more precise. Circuit breakers will self-reset when the fault is corrected, eliminating the need for replacing fuses. However, the amount of current required to trip a circuit breaker can vary as much as 100 percent depending on temperature. In the fused models, the values of fuses can be changed depending upon the specific current requirements of the equipment connected.

The **MCS16-10S**, **MCS16-10SB**, **MCS16-20S**, and **MCS16-20SB** are 16-output supplies that have individual power switches and LEDs on each output. This is a popular feature in larger systems where it is frequently necessary to power down individual units.



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## MX4009CS/MX4016CS Genex® Series Multiplexer

### COLOR, SIMPLEX, 9/16 VIDEO INPUTS

#### Product Features

- Efficient Recording of up to 16 Cameras on 1 VCR
- "Covert" Feature Allows Selected Cameras to be Recorded, but not Displayed During Live Viewing or Playback. Viewing or Playback of "Covert" Cameras can be Password Protected
- Full-Screen Viewing of Cameras While Recording
- Advanced Digital Video Processing, Including Advanced Image Re-sizing and Digital Filtering. Provides High Quality Multi-Camera and Zoom Displays During Playback
- Looping Inputs
- Multi-Camera Display Modes – PIP (2), Quad (4), Nine (9) and Sixteen (16) Camera Displays
- Advanced Activity Detection – Programmable Detection Mask and Sensitivity Levels for Each Camera
- Four VCR Compatibility Modes – Standard, Auto Tracking, VCR Matching, and Custom
- Playback of Other Manufacturers' Tapes\* (see note on back)
- Direct Menu Programming for Quick, Easy Setup
- Multi-language Support; English (Default), French, Spanish, or German
- On-Screen Alphanumeric Display – 12 Character Camera Titles, Time, Date, Alarm and Video Loss
- Two Independent Monitor Outputs
  - Main Output – Full-Screen Call-up and Sequencing While Recording; Full-Screen Call-up and Multi-Screen Displays During Playback
  - Spot Monitor Output – Full-Screen Call-up, Sequencing, Activity and Alarms
- Alarm Handling – Priority or Exclusive Alarm Recording and Display
- Pan, Tilt, and Lens Control via Coaxitron® \*\* (see note on back)



MX4009CS (TOP), MX4016CS (BOTTOM)

The **Genex**® high performance, color simplex multiplexer utilizes the latest in digital video processing technology, providing high-quality recordings or outstanding multi-camera displays.

Available in 9- or 16-channel versions, **Genex** can multiplex up to 9 or 16 cameras for recording on a single VCR. During recording any camera may be viewed independently or combined with others in a sequence. During playback any camera may be viewed independently or combined in a multi-camera display.

Unlike most multiplexers, **Genex** contains a powerful re-sizing engine that uses patented Active Image™ technology to provide broadcast-quality, image re-sizing for both multi-camera and zoom displays. This technology allows Genex to provide higher quality images with less aliasing.

**Genex** allows live or recorded cameras to be displayed full-screen or combined with others in a picture-in-picture, quad, nine, or sixteen camera display. Cameras may also be displayed sequentially. An adjustable zoom mode provides full control of digital magnification of any camera for closer examination.

An advanced activity detector can prioritize cameras for faster recording and display. The additional spot monitor output can be used to display full-screen cameras manually, sequentially, or as a result of alarms.

**Genex** is easy to use; offers intuitive push-button controls for operation; and has password-protected, on-screen menus for easy system setup.



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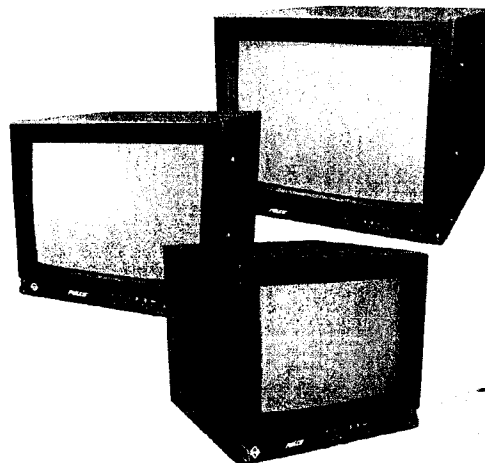


## PMCS15A, PMCS17A, and PMCS19A Monitors

### 15-/17-/19-INCH COLOR, SUPER-HIGH RESOLUTION

#### Product Features

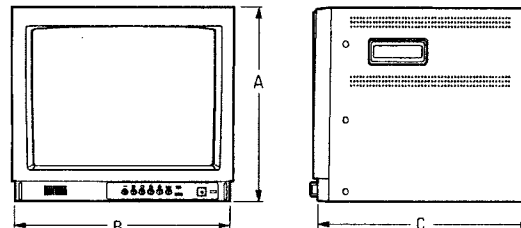
- Super-High Resolution
  - PMCS15A and PMCS17A - 700 TV Lines
  - PMCS19A - 800 TV Lines
- Computer Grade Picture Tube
- Front Panel Controls
- Auto-Ranging 90-260 VAC Input
- Auto-Sensing NTSC/PAL
- Built-in Speaker
- Video and Audio Input and Output
- S-VHS Input for Separate Y-C Signals
- Rack Mountable



If your application demands crisp, detailed images, Pelco's super-high resolution monitors are the best choice for you. The **PMCS15A**, **PMCS17A** and **PMCS19A** monitors have a computer grade picture tube capable of producing a horizontal resolution of 700/800 TV lines. Standard high-resolution monitors produce only about 350 TV lines.

The super-high resolution of the **PMCS15A**, **PMCS17A** and **PMCS19A** allow you to take full advantage of today's digital imaging surveillance equipment including S-video output devices, like Pelco's Genex® Series multiplexer.

The **PMCS15A**, **PMCS17A**, and **PMCS19A** can be used in desktop applications or rack mounted. Controls for brightness, color, contrast, and volume are located on the front of the monitor. The monitors support NTSC and PAL video formats, as well as 120 VAC and 230 VAC input power.



MODEL	A	B	C
PMCS15A	12.87 (32.69)	14.00 (35.56)	15.00 (38.10)
PMCS17A	14.50 (36.83)	16.00 (40.64)	16.00 (40.64)
PMCS19A	16.00 (40.64)	17.37 (44.13)	17.50 (44.45)

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# DX4500/DX4600 Series Digital Video Recorder

8/16 CAMERA INPUTS, 250 GB TO 6 TB STORAGE, FLEXIBLE SEARCH CAPABILITIES

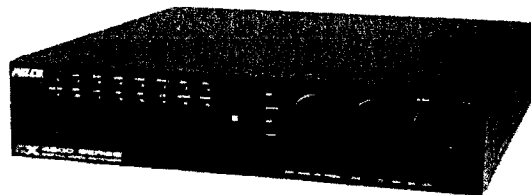
### Product Features

- 8- or 16- Channel Digital Video Recorder
- Up to 480 Images per Second (IPS) Recording Rate
- Up to 704 x 480 (NTSC), 704 x 576 (PAL) Recording Resolution
- KBD300A Keyboard Camera Control
- Pelco C Coaxitron®, Pelco D, and Pelco P PTZ Protocols
- Normal, Alarm, Motion, Instant Recording, and Multi-Event Recording
- HDD Storage Manager
- Increased Frame Rate and Resolution for Event Recording
- Channel Resolution, Quality, and Frame Rate Settings Configurable per Individual Camera
- Picture-On-Picture for Multiscreen Live and Playback Video
- Remote and Web Client
- Local and Remote PTZ Control
- Third-Party PTZ Protocols
- Up to 4 Audio Inputs and 1 Audio Output

A fully featured and fully affordable entry-level digital video recorder (DVR), the **DX4500/DX4600** Series is the next generation in DVRs. Equipped with an embedded operating system, it offers camera capacity, features, and functionality exceeding other DVRs. The **DX4500/DX4600** is designed for the entry-level market that requires 8 or 16 camera inputs; greater internal hard drive storage capacity; fast frame rate recording; and efficient playback, search, and export capability. The **DX4500/DX4600** not only replaces the traditional VCR and multiplexer combination, it provides a solution that scales from standalone to networked.

Designed to work with today's broadband networks, the **DX4500/DX4600** allows you to view and control the DVR across local or wide area networks. The **DX4500/DX4600** remote client allows live viewing and video playback for a maximum of sixteen **DX4000** series servers simultaneously. This display can consist of multiple **DX4500/DX4600** servers and one **DX4004** server.

With DS ControlPoint software, the **DX4500/4600** can connect to a Digital Sentry® system and other DX Series HVRs/DVRs. DS ControlPoint operators can simultaneously view and playback analog video and control cameras from any **DX4500**, **DX4600**, **DX8000**, or **DX8100**. Operators can also view and playback analog and IP video and control cameras from any Digital Sentry system.



- Pre- and Post-Alarm Recording
- Up to 16 Alarm Inputs and Up to 4 Relay Outputs
- Main Monitor for VGA or Analog Display, Analog Spot Monitor
- Multilingual On-Screen Display
- USB, CD-RW, or DVD±RW for Video Export
- Event Notifications by E-mail, Emergency Agent, or Sounder
- Time/Date, Bookmark, Event, and Pixel Search

Recording at resolutions of up to 704 x 480 (4CIF), the **DX4500/DX4600** captures crystal clear pictures, creating effective footage for later use and retrieval. Each DVR input channel can be configured individually to meet a specific security application requirement for video retention. User-configurable disk partitioning is used to allocate specific hard disk space for storing continuous video data and event-initiated video data. The retention time can be different for retaining continuous recorded video and event-initiated recorded video. Video critical to investigation and archiving is easily exported to a USB memory device or to an optional CD-RW or DVD±RW device.

Exported video is easily reviewed at the **DX4500/DX4600**, the remote client, or using the export player. The export video preview feature allows you to verify the content and quality of video exported to a disc or a USB drive. At the client, users can easily and quickly capture a video scene, save it in JPEG format, and then store it on the hard drive. User-configurable disk partitioning is used to allocate specific hard disk space for storing continuous video data and event-initiated video data. The retention time can be different for retaining continuous recorded video and event-initiated recorded video.



by **Schneider Electric**

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C2673, REVISED 8-3-09



## FEATURES & SPECIFICATIONS

### CONSTRUCTION

Constructed by the filament winding process from thermosetting polyester resin and contains a minimum of 65 percent "E" type fiberglass by weight. The filament windings are continuously applied with uniform tension and are placed on the pole helically at low angles to provide axial strength. Additional windings are placed on the pole in a circular manner to provide compressive strength.

Heavy-duty, A356-T6 aluminum base casting is permanently bonded to the outside of the fiberglass shaft.

An oval, non-metallic, 2-1/2" x 5" handhole secured with a vandal resistant, stainless steel 1/4" socket-head screw.

Top cap provided with all drill-mount poles.

Fasteners are high-strength galvanized zinc-plated or stainless steel.

### FINISH

The pole is ultraviolet resistant and pigmented approximately the same color as the final polyurethane coating. Dark bronze (DDB) is standard.

**ANCHOR BOLTS** — Top portion of anchor bolt is galvanized per ASTM A-153. Made of steel rod having a minimum yield strength of 55,000 psi.

Catalog Number	
Notes	Type

### Anchor Base Poles

# RTF

ROUND TAPERED FIBERGLASS



## ORDERING INFORMATION

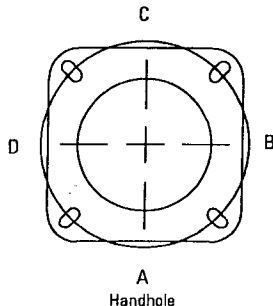
Choose the boldface catalog nomenclature that best suits your needs and write it in the appropriate blank.

Example: **RTF 25 6-7X DM19 DDB**

### RTF

Shaft type	Nominal shaft length	Nominal shaft base size/wall thickness
RTF	10 – 25 feet Tenon & Side Mount 20 – 45 feet Post-top (See back page.)	(See next page.)

### HANDHOLE ORIENTATION



#### NOTES:

- When ordering tenon mounting and drill mounting for the same pole, follow this example: DM28/T20. The combination requires an extra handhole.
- The drilling template to be used for a particular luminaire depends on the luminaire that is used. Refer to the Technical Data Section of the Outdoor Binder for Drilling Templates.
- Specify location and orientation when ordering option.  
For 1st "x": Specify the height in feet above base of pole.  
Example: 5ft = 5 and 20ft = 20  
For 2nd "x": Specify orientation from handhole (A,B,C,D)  
Refer to the Handhole Orientation diagram on this page.
- Horizontal arm is 18" x 2-3/8" O.D. tenon standard.
- Combination of tenon-top and drill mount requires extra handhole.
- Additional colors available; see Architectural Colors brochure, form no. 794.3.

### Mounting<sup>1</sup>

Tenon Mounting	
PT	Open Top (post-top only)
T20	2-3/8" O.D. (2" NPS)
T25	2-7/8" O.D. (2-1/2" NPS)
Drill Mounting <sup>2</sup>	
DM19	1 at 90°
DM28	2 at 180°
DM28PL	2 at 180° with one side plug
DM29	2 at 90°
DM32	3 at 120°
DM39	3 at 90°
DM49	4 at 90°
Aeris Drill Mounting <sup>2</sup>	
DM19AS	1 at 90°
DM28AS	2 at 180°
DM29AS	2 at 90°
DM32AS	3 at 120°
DM39AS	3 at 90°
DM49AS	4 at 90°

### Options (Must specify finish)

Shipped Installed		Architectural Colors (powder finish) <sup>6</sup>
L/AB	Less Anchor Bolts	Standard Colors
FBC	Full Base Cover	DDB Dark bronze
TP	Tamper Proof	DWH White
Hxx <sup>3,4</sup>	Horizontal Arm Bracket (1 fixture)	DBL Black
FDLxx <sup>3</sup>	Festoon Outletless electrical	Classic Colors
FGLxx <sup>3</sup>	Festoon GFI Outlet less electrical	DMB Medium bronze
12CPxx <sup>3</sup>	1/2" Coupling	DNA Natural aluminum
34CPxx <sup>3</sup>	3/4" Coupling	DSS Sandstone
1CPxx <sup>3</sup>	1" Coupling	DGC Charcoal gray
12NPxx <sup>3</sup>	1/2" Threaded Nipple	DTG Tennis green
34NPxx <sup>3</sup>	3/4" Threaded Nipple	DBR Brightred
1NPxx <sup>3</sup>	1" Threaded Nipple	DSB Steel blue
HHxx <sup>3,5</sup>	Extra Handhole	GALV Galvanized finish

#### IMPORTANT INSTALLATION NOTES:

- Do not erect poles without having fixtures installed.
- Factory-supplied templates must be used when setting anchor bolts. Lithonia will not accept claim for incorrect anchorage placement due to failure to use factory template.
- If poles are stored outside, all protective wrapping must be removed immediately to prevent finish damage.
- Lithonia is not responsible for the foundation design.
- Installation requires grout to be packed under base to ensure full contact with foundation.